



MAJOR SOURCE OPERATING PERMIT

Permittee: **Headquarters U.S. Army Aviation Center and Fort Rucker**

Facility Name: **Fort Rucker**

Facility No.: **604-0008**

Location: **Fort Rucker, Alabama**

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

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General Permit Provisos

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<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5.</p> <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting</p>	<p>Rule 335-3-16-.02(6)</p> <p>Rule 335-3-16-.12(2)</p> <p>Rule 335-3-16-.05(e)</p> <p>Rule 335-3-16-.05(f)</p> <p>Rule 335-3-16-.05(g)</p>

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<p>or reducing the permitted activity.</p>	
<p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	<p>Rule 335-3-16-.05(h)</p>
<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	<p>Rule 335-3-16-.05(i)</p>
<p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	<p>Rule 335-3-16-.05(j)</p>
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	<p>Rule 335-3-16-.05(k)</p>
<p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	<p>Rule 335-3-16-.07(a)</p>
<p>10. <u>Inspection and Entry</u></p>	

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<p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. 	<p>Rule 335-3-16-.07(b)</p>
<p>11. <u>Compliance Provisions</u></p> <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. 	<p>Rule 335-3-16-.07(c)</p>
<p>12. <u>Compliance Certification</u></p> <p>A compliance certification shall be submitted annually by June 24th of each year.</p> <ul style="list-style-type: none"> (a) The compliance certification shall include the following: <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; 	<p>Rule 335-3-16-.07(e)</p>

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<p>(2) The compliance status;</p> <p>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</p> <p>(4) Whether compliance has been continuous or intermittent;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="padding-left: 80px;">and to:</p> <p style="padding-left: 40px;">Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon</p>	<p>Rule 335-3-16-.13(5)</p>

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<p>approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	
<p>14. <u>Additional Rules and Regulations</u></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <p>(1) Identification of the specific facility to be taken out of service as well as its location and permit number;</p> <p>(2) The expected length of time that the air pollution control equipment will be out of service;</p> <p>(3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period;</p> <p>(4) Measures such as the use of off-shift labor and equipment that will be taken to</p>	<p>Rule 335-3-1-.07(1), (2)</p>

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<p style="text-align: center;">minimize the length of the shutdown period;</p> <p style="text-align: center;">(5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period.</p> <p style="text-align: center;">(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	
<p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>Rule 335-3-1-.08</p>
<p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul</p>	<p>Rule 335-3-4-.02</p>

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<p>roads and grounds:</p> <ul style="list-style-type: none"> (1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic; (2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; (3) By paving; (4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.</p>	
<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <ul style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and 	<p>Rule 335-3-16-.05(c)2.</p>

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<p>(6) The operating conditions that existed at the time of sampling or measurement.</p> <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit</p>	
<p>21. <u>Reporting Requirements</u></p> <p>(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working day of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p>	<p>Rule 335-3-16-.05(c)3.</p>
<p>22. <u>Emission Testing Requirements</u></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the</p>	<p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p>

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<p>notification letter:</p> <p>(1) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</p> <p>(2) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning).</p> <p>(3) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.</p> <p>(4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>Rule 335-3-1-.04</p> <p>Rule 335-3-1-.04</p>
<p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p>	<p>Rule 335-1-7-.04</p>
<p>24. <u>Other Reporting and Testing Requirements</u></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p>	<p>Rule 335-3-1-.04(1)</p>

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<p>25. <u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p> <p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <ul style="list-style-type: none"> (a) The owner or operator shall comply with the provisions in 40 CFR Part 68. (b) The owner or operator shall submit one of the following: <ul style="list-style-type: none"> (1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or, (2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. <p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will be made readily available for</p>	<p>40 CRR Part 82</p> <p>40 CFR Part 68</p> <p>Rule 335-3-14-.01(1)(d)</p>

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inspection by any or all persons who may request to see it.	
28. <u>Circumvention</u> No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.	Rule 335-3-1-.10
29. <u>Visible Emissions</u> Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.	Rule 335-3-4-.01(1)
30. <u>Fuel-Burning Equipment</u> (a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Rule 335-3-4-.03. (b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Rule 335-3-5-.01.	Rule 335-3-4-.03 Rule 335-3-5-.01
31. <u>Process Industries – General</u> Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Rule 335-3-4-.04.	Rule 335-3-4-.04
32. <u>Averaging Time for Emission Limits</u> Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.	Rule 335-3-1-.05

Summary Page for Surface Coating (Non MACT, Non NSPS): Building 416

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Building 416	Surface Coating of Miscellaneous Metal Parts	PM	$E=3.59P^{0.62}$	Rule 335-3-4-.04
Building 416	Surface Coating of Miscellaneous Metal Parts	VOCs	N/A	N/A

Provisos for Surface Coating (Non MACT, Non NSPS): Building 416

Federally Enforceable Provisos	Regulations
Applicability	
<ol style="list-style-type: none"> These coating operations are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits." 	Rule 335-3-16-.03
Emission Standards	
<ol style="list-style-type: none"> These operations are not subject to any standards other than the applicable standards contained in the general provisos. 	N/A
Compliance and Performance Test Methods and Procedures	
<ol style="list-style-type: none"> These sources are subject to no additional specific requirements other than those listed in the general permit provisos. 	N/A
Emission Monitoring	
<ol style="list-style-type: none"> These sources are subject to no additional specific requirements other than those listed in the general permit provisos. 	N/A
Recordkeeping and Reporting Requirements	
<ol style="list-style-type: none"> These sources are subject to no additional specific requirements other than those listed in the general permit provisos. 	N/A

Summary Page for Surface Coating (MACT): Buildings 30103, 30109(A), 40135, 50201, 50209, 25105 (A)

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Building 30103	Surface Coating of Various Mobile and Aircraft Parts	PM	$E = 3.59(P)^{0.62}$	Rule 335-3-4-.04
Building 30103	Surface Coating of Various Mobile and Aircraft Parts	VOCs	See Standard	MACT Subpart GG
Building 30109 (A)	Surface Coating of Various Mobile and Aircraft Parts	PM	$E = 3.59(P)^{0.62}$	Rule 335-3-4-.04
Building 30109 (A)	Surface Coating of Various Mobile and Aircraft Parts	VOCs	See Standard	MACT Subpart GG
Building 40135	Surface Coating of Various Mobile and Aircraft Parts	PM	$E = 3.59(P)^{0.62}$	Rule 335-3-4-.04
Building 40135	Surface Coating of Various Mobile and Aircraft Parts	VOCs	See Standard	MACT Subpart GG
Building 50201	Surface Coating of Various Mobile and Aircraft Parts	PM	$E = 3.59(P)^{0.62}$	Rule 335-3-4-.04
Building 50201	Surface Coating of Various Mobile and Aircraft Parts	VOCs	See Standard	MACT Subpart GG
Building 50209	Surface Coating of Various Mobile and Aircraft Parts	PM	$E = 3.59(P)^{0.62}$	Rule 335-3-4-.04
Building 50209	Surface Coating of Various Mobile and Aircraft Parts	VOCs	See Standard	MACT Subpart GG
Building 25105(A)	Surface Coating of Various Mobile and Aircraft Parts	PM	$E = 3.59(P)^{0.62}$	Rule 335-3-4-.04
Building 25105(A)	Surface Coating of Various Mobile and Aircraft Parts	VOCs	See Standard	MACT Subpart GG

Provisos for Surface Coating (MACT): Buildings 30103, 30109(A), 40135, 50201, 50209, 25105 (A)

Federally Enforceable Provisos	Regulations
Applicability	
1. These coating operations are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
2. These coating operations are subject to the National Emissions Standards for Aerospace Manufacturing and Rework Facilities found in Subpart GG of 40 CFR Part 63.	Rule 335-3-11-.06(32) & 40 CFR Part 63 Subpart GG
3. These sources are subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 1 of Subpart GG.	40 CFR Part 63 Subpart A and GG.
Emission Standards	
1. These coating operations are subject to the applicable requirements contained in the general standards contained in Section 63.743 of Subpart GG of 40 CFR Part 63.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.743 Subpart GG
2. These cleaning operations are subject to the standards for cleaning operations contained in Section 63.744 of Subpart GG of 40 CFR Part 63 to include paragraphs (a) Housekeeping measures, (b) Hand-wipe cleaning, (c) Spray gun cleaning (except (4) Atomizing cleaning), and (d) Flush cleaning.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.744 Subpart GG
3. These coating operations are subject to the standards for primer and topcoat operations contained in Section 63.745 of Subpart GG of 40 CFR Part 63 to include paragraphs (b) minimize spills, (c) Uncontrolled coatings-organic HAP and VOC content levels, (e) Compliance methods (except (2) averaging provisions), (f) Application equipment, and (g) Inorganic HAP emissions for existing sources.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.745 Subpart GG
4. These repainting operations are subject to the standards for repainting operations contained in Section 63.746 of Subpart GG of 40 CFR Part 63 to include paragraphs (a) applicability and (b) HAP emissions-non HAP chemical strippers and technologies for existing sources.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.746 Subpart GG
5. These coating operations are subject to the standards for handling and storage of waste contained in Section 63.748 of Subpart GG of 40 CFR Part 63.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.748 Subpart GG

Federally Enforceable Provisos	Regulations
Compliance and Performance Test Methods and Procedures	
<ol style="list-style-type: none"> 1. Compliance demonstration for the applicable standards found in Subpart GG of 40 CFR Part 63 shall be determined in accordance with the provisions contained in Section 63.749 of Subpart GG of 40 CFR Part 63 to include paragraphs (c) cleaning operations, (d) organic HAP and VOC content levels-primer and topcoat application operations, (e) inorganic HAP emissions-primer and topcoat application operations, (f) organic HAP emissions-depainting operations, (g) inorganic HAP emissions-depainting operations and (i) handling and storage of waste. 2. Compliance demonstration for the applicable standards found in Subpart GG of 40 CFR Part 63 shall be determined in accordance with the provisions contained in Section 63.750 of Subpart GG of 40 CFR Part 63 to include paragraphs (a) composition determination, (b) vapor pressure determination, (c) organic HAP content level determination-compliant primers and topcoats, (e) VOC content level determination-compliant primers and topcoats, (j) spot stripping and decal removal and (o) inorganic HAP emissions-dry particulate filter certification requirements. 	<p>Rule 335-3-11-.06 (32) & 40 CFR Part 63.749 Subpart GG</p> <p>Rule 335-3-11-.06 (32) & 40 CFR Part 63.750 Subpart GG</p>
Emission Monitoring	
<ol style="list-style-type: none"> 1. The permittee shall monitor the coating operations in accordance with Section 63.751 of Subpart GG of 40 CFR 63 to include paragraphs (a) enclosed spray gun cleaners, (c) dry particulate filter primer and topcoat application operations, (d) particulate filters depainting operations, and (f) reduction of monitoring data. 	<p>Rule 335-3-11-.06 (32) & 40 CFR Part 63.751 Subpart GG</p>
Recordkeeping and Reporting Requirements	
<ol style="list-style-type: none"> 1. The permittee shall maintain the manufacturer's supplied data and annual purchase records for each exempt waterborne coating as required by Section 63.741(i) of Subpart GG of 40 CFR 63. 	<p>Rule 335-3-11-.06 (32) & 40 CFR Part 63.741 Subpart GG</p>
<ol style="list-style-type: none"> 2. The permittee shall comply with the recordkeeping requirements of Section 63.752 of Subpart GG of 40 CFR Part 63 to include paragraphs (a) general, (b) cleaning operations, (c) primer and topcoat application operations-organic HAP and VOC, (d) primer and topcoat application operations-inorganic HAP emissions and (e) depainting operations. 	<p>Rule 335-3-11-.06 (32) & 40 CFR Part 63.752 Subpart GG</p>

Federally Enforceable Provisos**Regulations**

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| 3. The permittee shall comply with the reporting requirements of Section 63.753 of Subpart GG of 40 CFR Part 63 to include paragraphs (b) cleaning operations semiannual report, (c) primer and topcoat application operations semiannual and annual reports and (d) depainting operations semiannual and annual reports. | Rule 335-3-11-.06 (32) & 40 CFR Part 63.753 Subpart GG |
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Summary Page for Abrasive Blasting Facility

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EP011	Abrasive Blasting Facility	PM	See Subpart GG	MACT 40 CFR Part 63 Subpart GG
EP011	Abrasive Blasting Facility	PM	$E = 3.59(P)^{0.62}$	Rule 335-3-4-.04

Provisos for Abrasive Blasting Facility

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. This source is subject to the National Emissions Standards for Aerospace Manufacturing and Rework Facilities found in Subpart GG of 40 CFR Part 63.	Rule 335-3-11-.06 (32) & 40 CFR Part 63 Subpart GG
3. This source is subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 1 of Subpart GG.	40 CFR Part 63 Subpart A and GG.
Emission Standards	
1. This source is subject to the applicable requirements contained in the standards for depainting operations contained in Section 63.746 of Subpart GG of 40 CFR Part 63 to include paragraphs (a) applicability and (b) HAP emissions-non-HAP chemical strippers and technologies.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.746 Subpart GG
2. This source is subject to the applicable requirements contained in the standards for handling and storage of waste contained in Section 63.748 of Subpart GG of 40 CFR Part 63.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.748 Subpart GG
Compliance and Performance Test Methods and Procedures	
1. Compliance demonstration for the applicable standards found in Subpart GG of 40 CFR Part 63 shall be determined in accordance with the provisions contained in Section 63.749 of Subpart GG of 40 CFR Part 63 to include paragraphs (g) inorganic HAP emissions-depainting operations and (i) handling and storage of waste.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.749 Subpart GG
Emission Monitoring	
1. The permittee shall monitor the dry stripping facility in accordance with Section 63.751 of Subpart GG of 40 CFR 63 to include paragraph (d) particulate filters and waterwash booths – depainting operations.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.751 Subpart GG
Recordkeeping and Reporting Requirements	
1. The permittee shall comply with the recordkeeping requirements of Section 63.752 of Subpart GG of 40 CFR Part 63 to include paragraph (e) depainting operations.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.752 Subpart GG

Federally Enforceable Provisos**Regulations**

2. The permittee shall comply with the reporting requirements of Section 63.753 of Subpart GG of 40 CFR Part 63 to include paragraph (d) depainting operations semiannual and annual reports

Rule 335-3-11-.06 (32)
& 40 CFR Part 63.753
Subpart GG

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Summary Page for Main Substation Peaking Plant

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EP020	Main Substation Peaking Plant	PM	N/A	N/A
EP020	Main Substation Peaking Plant	NOx	2000 Hrs /Year	Anti-PSD
EP020	Main Substation Peaking Plant	VOC	N/A	N/A
EP020	Main Substation Peaking Plant	SO ₂	N/A	N/A
EP020	Main Substation Peaking Plant	CO	N/A	N/A
EP020	Main Substation Peaking Plant	Opacity	See General Provisos	SIP

Provisos for Main Substation Peaking Plant

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. This source has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
3. This source is subject to the applicable requirements of Subpart ZZZZ of 40 CFR Part 63. Since these engines are existing 4 stroke lean burn units, they do not have to meet the requirements of Subpart ZZZZ and Subpart A.	40 CFR Part 63 Subpart ZZZZ
Emission Standards	
1. This peaking plant (all four units combined) shall not operate more than 2,000 hours per any twelve month consecutive period combined.	Rule 335-3-14-.04
2. The internal combustion engines at this peaking plant shall only burn natural gas.	Rule 335-3-14-.04
Compliance and Performance Test Methods and Procedures	
1. Method 7E of 40 CFR Part 60, Appendix A shall be used in the determination of nitrogen oxide emissions from the stack.	Rule 335-3-14-.04
Emission Monitoring	
1. The amount and type of fuel used in the peaking plant shall be monitored.	Rule 335-3-14-.04
Recordkeeping and Reporting Requirements	
1. Records of daily, monthly, and consecutive twelve month total fuel usage and hours of operation for each engine must be maintained.	Rule 335-3-14-.04

Summary Page for Bulk Gasoline Plant, Building 903

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EP022	2-12,000 Gallon Gasoline Tanks & 2-12,000 Gallon Diesel Tanks	VOCs	Vapor Recovery	SIP - 335-3-6

Provisos for Bulk Plant, Building 903

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-6-.05, "Bulk Gasoline Plants."	Rule 335-3-6-.05
3. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-6-.20, "Leaks from Gasoline Tank Trucks and Vapor collection Systems"	Rule 335-3-6-.20
Emission Standards	
1. This bulk gasoline plant shall not have an average daily throughput greater than 20,000 gallons in any calendar month.	Rule 335-3-6-.05 (1)(b)
4. No gasoline shall be unloaded from the bulk gasoline plant to stationary storage tanks unless each tank is equipped with a vapor balance system as described in paragraph (6) of ADEM Admin. Code R. 335-3-6-.05.	Rule 335-3-6-.05 (4) Rule 335-3-6-.20 (3)
5. The gasoline storage tank(s) at this bulk gasoline plant shall be equipped with a submerged fill pipe.	Rule 335-3-6-.05 (3)(a)
6. The permittee shall not allow the unloading of tank trucks or trailers at this bulk gasoline plant unless each tank truck or trailer is equipped with a vapor balance system as described under paragraph (6) of ADEM Admin. Code R. 335-3-6-.05.	Rule 335-3-6-.05 (4) Rule 335-3-6-.20 (3)

Federally Enforceable Provisos	Regulations
<p>5. The permittee shall not allow the transfer of gasoline between a tank truck or trailer and a stationary storage tank unless:</p> <ul style="list-style-type: none"> (a) The transfer is conducted in accordance with proviso's 2 and 4 above, and (b) The vapor balance system is in good working order and is connected and operating; and (c) Gasoline tank truck or trailer hatches are covered at all times during unloading operations; and (d) There are no leaks in the tank trucks' and trailers' pressure/vacuum relief valves and hatch covers, or the truck tanks or storage tanks, or associated vapor and liquid lines during unloading; and (e) The pressure relief valves on above-ground storage vessels and tank trucks or trailers are set to release at no less than 0.7 psia or the highest possible pressure (in accordance with state or local fire codes or the National Fire Prevention Association guidelines); and (f) The gasoline tank truck or trailer has a valid Department Air Sticker or Jefferson County Department of Health Air Sticker as required by ADEM Admin. Code 335-3-6-.20(4) attached and visibly displayed. 	<p>Rule 335-3-6-.05 (5)</p> <p>Rule 335-3-6-.20 (3)</p>
<p>7. The permittee shall not permit the loading of gasoline from the bulk gasoline plant into tank trucks or trailers that are returning with vapors from gasoline dispensing facilities equipped with Stage I vapor recovery systems unless each tank truck or trailer and the stationary storage tank is equipped with a vapor balance system as described under paragraph (6) of ADEM Admin. Code R. 335-3-6-.05 and complies with paragraph (3) of ADEM Admin. Code R. 335-3-6-.20 and:</p> <ul style="list-style-type: none"> (a) Equipment is available at the bulk gasoline plant to provide for the submerged filling of each tank truck or trailer; or (b) Each tank truck or trailer is equipped for bottom filling. 	<p>Rule 335-3-6-.05 (2)(7)</p> <p>Rule 335-3-6-.20</p>

Federally Enforceable Provisos	Regulations
8. The permittee shall not permit the disposal of waste gasoline in sewers, open containers or in a manner that would result in evaporation to the atmosphere.	Rule 335-3-6-.05 (8)
9. The permittee shall operate the vapor collection system and the gasoline loading equipment in a manner that prevents: <ul style="list-style-type: none"> <li data-bbox="334 470 1117 575">(a) Gauge pressure from exceeding 18 inches of water and vacuum from exceeding 6 inches of water in the gasoline tank truck; <li data-bbox="334 602 1117 884">(b) A reading equal to or greater than one hundred percent (100%) of the lower explosive limit (LEL, measured as propane) at 2.5 centimeters from all points on the perimeter of a potential leak source when measured by the method referenced in paragraph (12) of ADEM Admin. Code 335-3-6-.16 during loading or unloading operations; and <li data-bbox="334 911 1117 989">(c) Avoidable visible liquid leaks during loading or unloading operations; 	Rule 335-3-6-.20 (5)
9. The permittee shall, within fifteen (15) days, repair and retest a vapor collection or control system that exceeds the limit in proviso 8 (b) of this section.	Rule 335-3-6-.20 (5)(b)
Compliance and Performance Test Methods and Procedures	
1. The permittee shall demonstrate compliance with the emission standards in Section 2 by following procedures outlined in Paragraph (12) of ADEM Admin. Code R. 335-3-6-.16 "Testing and Monitoring Procedures for Leaks from Gasoline Tank Trucks and Vapor Collection Systems"	Rule 335-3-6-.16 (12)
Emission Monitoring	
2. The permittee shall inspect the bulk plant during each loading and unloading of tank truck or trailer for visible liquid leaks.	Rule 335-3-16-.05
3. The bulk plant vapor balance system shall be tested once per year in accordance with Proviso 1 of the Compliance and Performance Test Methods and Procedures Section above. The permittee may request less frequent testing after demonstration of two years of compliance with Proviso 8 of the	Rule 335-3-6-.20 (6)

Federally Enforceable Provisos**Regulations**

Emission Standards Section above.

Recordkeeping and Reporting Requirements

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| 1. Records of the amount of gasoline loaded to and unloaded from the bulk gasoline plant shall be maintained | Rule 335-3-16-.05 |
| 2. Records of the compliance tests performed at the bulk gasoline plant shall be maintained. | Rule 335-3-6-.20 (6) |
| 3. Records of maintenance performed in accordance with Proviso 9 of the Emission Standards Section above shall be maintained. | Rule 335-3-16-.05 |

Summary Page for AAFES Triangle Shoppette – Gasoline Dispensing Facility

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
X055	Gasoline Dispensing Facility	VOCs	Vapor Recovery	SIP - 335-3-6

Provisos for AAFES Triangle Shoppette – Gasoline Dispensing Facility

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-6-.07, "Gasoline Dispensing Facilities – Stage 1."	Rule 335-3-6-.07
3. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-6-.20, "Leaks from Gasoline Tank Trucks and Vapor collection Systems"	Rule 335-3-6-.20
Emission Standards	
1. The permittee shall not transfer, cause or allow the transfer of gasoline from any gasoline tank truck into this unit unless the tank is equipped with a submerged fill pipe and the vapors displaced from the storage tank during filling are processed by a vapor control system in accordance with ADEM Admin. Code R. 33536-.07(4).	Rule 335-3-6-.07 (4)
2. The permittee shall not permit the transfer of gasoline tank truck and this unit unless the gasoline tank truck complies with ADEM Admin. Code 335-3-6-.20 and the vapor control system is connected and operating in accordance with ADEM Admin. Code R. 335-3-6-.07(4).	Rule 335-3-6-.07 (4) Rule 335-3-6-.20
3. The permittee shall not cause or allow gasoline to be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation of the gasoline to the atmosphere.	Rule 335-3-6-.07 (6)
Recordkeeping and Reporting Requirements	
1. Records of the monthly throughput quantities in gallons in these units shall be maintained for a minimum of five years after the date on which the documents were made. These records will be made available to the Department upon request.	Rule 335-3-6-.07(5)(b)

Summary Page for Aircraft Engine Test Cells: Cairns AHP METS, Building 7206 Cells 2, 3, 4, 5, 6, 7, 8 and 9

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EP023	Aircraft Engine Test Cells	PM	N/A	N/A
EP023	Aircraft Engine Test Cells	NOx	N/A	N/A
EP023	Aircraft Engine Test Cells	CO	N/A	N/A
EP023	Aircraft Engine Test Cells	VOC	N/A	N/A
EP023	Aircraft Engine Test Cells	SO ₂	N/A	N/A

Provisos for Aircraft Engine Test Cells: Cairns AHP METS, Building 7206 Cells 2, 3, 4, 5, 6, 7, 8 and 9

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. This source is subject to the National Emissions Standards for Engine Test Cells/Standards found in Subpart P of 40 CFR Part 63. Since these test cells would be considered existing under this subpart, they do not have to meet the requirements of Subpart P and Subpart A.	40 CFR Part 63 Subpart P
Emission Standards	
1. These operations are not subject to any standards other than the applicable standards contained in the general provisos.	N/A
Compliance and Performance Test Methods and Procedures	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Emission Monitoring	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A

Summary Page for Surface Coating (Non MACT, Non NSPS): Building 1424

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Building 1424	Surface Coating of Automobile and Light Duty Trucks	VOC	N/A	N/A
Building 1424	Surface Coating of Automobile and Light Duty Trucks	PM	$E = 3.59(P)^{0.62}$	Rule 335-3-4-.04

Provisos for Surface Coating (Non MACT, Non NSPS): Building 1424

Federally Enforceable Provisos	Regulations
Applicability	
<ol style="list-style-type: none"> This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits." 	Rule 335-3-16-.03
Emission Standards	
<ol style="list-style-type: none"> This operation is not subject to any standards other than the applicable standards contained in the general provisos. 	N/A
Compliance and Performance Test Methods and Procedures	
<ol style="list-style-type: none"> This Source is subject to no additional specific requirements other than those listed in the General Permit Provisos. 	N/A
Emission Monitoring	
<ol style="list-style-type: none"> This Source is subject to no additional specific requirements other than those listed in the General Permit Provisos. 	N/A
Recordkeeping and Reporting Requirements	
<ol style="list-style-type: none"> This source is subject to no additional specific requirements other than those listed in the General Permit Provisos. 	N/A

Summary Page for Shell Field Paint Booth

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Shell Field	Paint Booth - Miscellaneous Metal Parts	VOC	N/A	MACT Part 63 Subpart GG
Shell Field	Paint Booth - Miscellaneous Metal Parts	HAP	N/A	MACT Part 63 Subpart GG
Shell Field	Paint Booth - Miscellaneous Metal Parts	PM	$E = 3.59(P)^{0.62}$	Rule 335-3-4-.04

Provisos for Shell Field Paint Booth

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. This source is subject to the National Emissions Standards for Aerospace Manufacturing and Rework Facilities found in Subpart GG of 40 CFR Part 63.	Rule 335-3-11-.06 (32) & 40 CFR Part 63 Subpart GG
3. This source is subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 1 of Subpart GG.	40 CFR Part 63 Subpart A and GG
Emission Standards	
1. This source is subject to the applicable requirements contained in the General Standards found in 40 CFR Part 63 Subpart GG, Section 63.743.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.743 Subpart GG
2. This source is subject to the standards for cleaning operations found in 40 CFR Part 63 Subpart GG, Section 63.744.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.744 Subpart GG
3. This source is subject to the standards for primer and topcoat application operations found in 40 CFR Part 63 Subpart GG, Section 63.748.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.748 Subpart GG
Compliance and Performance Test Methods and Procedures	
1. Compliance determination for this source regarding the applicable standards in 40 CFR 63 Subpart GG shall be in accordance with the provisions found in 40 CFR Part 63 Subpart GG, Section 63.749.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.750 Subpart GG
2. Test methods and procedures to determine compliance for this unit regarding the applicable standards in 40 CFR Subpart GG shall be in accordance with the provisions found in 40 CFR Part 63, Section 63.750.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.750 Subpart GG
Emission Monitoring	
1. Monitoring for this unit shall be in accordance with the provisions found in 40 CFR Part 63 Section 63.751.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.751

Federally Enforceable Provisos**Regulations**

Recordkeeping and Reporting Requirements

1. The permittee shall comply with the recordkeeping requirements found in 40 CFR Part 63, Section 63.752.

Subpart GG

Rule 335-3-11-.06 (32)
& 40 CFR Part 63.752
Subpart GG

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Summary Page for Surface Coating (MACT):

Buildings 1016 & 30300

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Building 1016	Surface Coating of Aerospace and Non-Aerospace Parts and Equipment	VOC	N/A	MACT Part 63 Subpart GG
Building 1016	Surface Coating of Aerospace and Non-Aerospace Parts and Equipment	VOC	20 tons / 12 month period	Rule 335-3-14-.04
Building 1016	Surface Coating of Aerospace and Non-Aerospace Parts and Equipment	HAP	N/A	MACT Part 63 Subpart GG
Building 1016	Surface Coating of Aerospace and Non-Aerospace Parts and Equipment	PM	$E = 3.59(P)^{0.62}$	Rule 335-3-4-.04
Building 30300	Surface Coating of Aerospace and Non-Aerospace Parts and Equipment	VOC	N/A	MACT Part 63 Subpart GG
Building 30300	Surface Coating of Aerospace and Non-Aerospace Parts and Equipment	VOC	20 tons / 12 month period	Rule 335-3-14-.04
Building 30300	Surface Coating of Aerospace and Non-Aerospace Parts and Equipment	HAP	N/A	MACT Part 63 Subpart GG
Building 30300	Surface Coating of Aerospace and Non-Aerospace Parts and Equipment	PM	$E = 3.59(P)^{0.62}$	Rule 335-3-4-.04

Provisos for Surface Coating (MACT): Buildings 1016 & 30300

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. These sources are subject to the National Emissions Standards for Aerospace Manufacturing and Rework Facilities found in Subpart GG of 40 CFR Part 63.	Rule 335-3-11-.06 (32) & 40 CFR Part 63 Subpart GG
3. These sources are subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 1 of Subpart GG.	40 CFR Part 63 Subpart A and GG
Emission Standards	
1. These sources are subject to the applicable requirements contained in the General Standards found in 40 CFR Part 63 Subpart GG, Section 63.743.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.743 Subpart GG
2. These sources are subject to the standards for cleaning operations found in 40 CFR Part 63 Subpart GG, Section 63.744.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.744 Subpart GG
3. These sources are subject to the standards for primer and topcoat application operations found in 40 CFR Part 63 Subpart GG, Section 63.748.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.748 Subpart GG
4. The VOC emissions from these sources shall not exceed 20 tons per year.	Rule 335-3-14-.04
Compliance and Performance Test Methods and Procedures	
1. Compliance determination for these sources regarding the applicable standards in 40 CFR 63 Subpart GG shall be in accordance with the provisions found in 40 CFR Part 63 Subpart GG, Section 63.749.	Rule 335-3-11-.06 (32) & 40 CFR Part 63.750 Subpart GG

Federally Enforceable Provisos	Regulations
<p>2. Test methods and procedures to determine compliance for these units regarding the applicable standards in 40 CFR Subpart GG shall be in accordance with the provisions found in 40 CFR Part 63, Section 63.750.</p>	<p>Rule 335-3-11-.06 (32) & 40 CFR Part 63.750 Subpart GG</p>
Emission Monitoring	
<p>1. Monitoring for these units shall be in accordance with the provisions found in 40 CFR Part 63 Section 63.751.</p>	<p>Rule 335-3-11-.06 (32) & 40 CFR Part 63.751 Subpart GG</p>
Recordkeeping and Reporting Requirements	
<p>1. Accurate and understandable records of consumption, which records at least the last five years of data, will be maintained in a permanent form suitable for inspection and be available immediately upon request. This facility shall provide a copy of records and supporting background documents upon request that pertain to its Air Permit. These records shall contain the following information:</p> <ul style="list-style-type: none"> (a) The type, quantity in gallons, and weight in lbs, of each VOC containing materials used each calendar month. (b) The amount of each VOC emitted each calendar month expressed in the units of pounds and tons. (c) The rolling 12-month of each VOC emitted expressed in the units of pounds and tons. 	<p>Rule 335-3-16-.05 (c)(2)</p>
<p>2. The permittee shall comply with the recordkeeping requirements found in 40 CFR Part 63, Section 63.752.</p>	<p>Rule 335-3-11-.06 (32) & 40 CFR Part 63.752 Subpart GG</p>

Summary Page for Natural Gas Boilers (Appendix A)

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
See Appendix A	Small Natural Gas Boilers	PM	$E = 1.38(H)^{-0.44}$	Rule 335-3-4-.03
See Appendix A	Small Natural Gas Boilers	NOx	N/A	N/A
See Appendix A	Small Natural Gas Boilers	CO	N/A	N/A
See Appendix A	Small Natural Gas Boilers	VOC	N/A	N/A
See Appendix A	Small Natural Gas Boilers	SO ₂	4 lb/MMBtu	Rule 335-3-5-.01

Provisos for Natural Gas Boilers (Appendix A)

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
Emission Standards	
1. These boilers shall burn natural gas only.	Rule 335-3-14-.04
Compliance and Performance Test Methods and Procedures	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A

Summary Page for Fuel Oil Boilers (Appendix B)

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
See Appendix B	Small Fuel Oil Boilers	PM	$E = 1.38(H)^{-0.44}$	Rule 335-3-4-.03
See Appendix B	Small Fuel Oil Boilers	NO _x	N/A	N/A
See Appendix B	Small Fuel Oil Boilers	CO	N/A	N/A
See Appendix B	Small Fuel Oil Boilers	VOC	N/A	N/A
See Appendix B	Small Fuel Oil Boilers	SO ₂	4 lb/MMBtu	Rule 335-3-5-.01

Provisos for Fuel Oil Boilers (Appendix B)

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
Emission Standards	
1. These units shall burn only natural gas and No. 2 fuel oil. The sulfur content of the No. 2 fuel oil shall not exceed 0.5% by weight.	Rule 335-3-14-.04
2. Boilers B-4701-3, B-4701-4, B-301-1, B-301-2, B-301-3, and B-301-4 shall consume no more than a total of 1,000,000 gallons of No. 2 fuel oil in any consecutive 12-month period.	Rule 335-3-14-.04
Compliance and Performance Test Methods and Procedures	
1. The sulfur content of the fuel oil delivered to the furnaces shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
2. Method 5 of 40 CFR Part 60, Appendix A shall be used in the determination of particulate emissions from the stack.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60, Appendix A shall be used in the determination of opacity of the stack emissions.	Rule 335-3-1-.05
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Recordkeeping and Reporting Requirements	

Federally Enforceable Provisos**Regulations**

- | | |
|---|-------------------|
| 1. Records of fuel oil sulfur content must be kept in a form suitable for inspection. These records shall be retained for at least five years following the date of generation and shall be made available upon request. | Rule 335-3-14-.04 |
| 2. Records of total rolling 12-month fuel oil consumption for boilers B-4701-3, B-4701-4, B-301-1, B-301-2, B-301-3, and B-301-4 must be kept in a form suitable for inspection. These records shall be retained for at least five years following the date of generation and shall be made available upon request. | Rule 335-3-14-.04 |

Summary Page for Fuel Oil Boilers Building 30103 & 30104

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Building 30104	Small Fuel Oil - 3.0 MMBtu/hr	PM	$E = 1.38(H)^{-0.44}$	Rule 335-3-4-.03
Building 30104	Small Fuel Oil - 3.0 MMBtu/hr	NOx	N/A	N/A
Building 30104	Small Fuel Oil - 3.0 MMBtu/hr	CO	N/A	N/A
Building 30104	Small Fuel Oil - 3.0 MMBtu/hr	VOC	N/A	N/A
Building 30104	Small Fuel Oil - 3.0 MMBtu/hr	SO ₂	4 lb/MMBtu	Rule 335-3-5-.01
Building 30103	Small Fuel Oil - 3.0 MMBtu/hr	PM	$E = 1.38(H)^{-0.44}$	Rule 335-3-4-.03
Building 30103	Small Fuel Oil - 3.0 MMBtu/hr	NOx	N/A	N/A
Building 30103	Small Fuel Oil - 3.0 MMBtu/hr	CO	N/A	N/A
Building 30103	Small Fuel Oil - 3.0 MMBtu/hr	VOC	N/A	N/A
Building 30103	Small Fuel Oil - 3.0 MMBtu/hr	SO ₂	4 lb/MMBtu	Rule 335-3-5-.01

Provisos for Fuel Oil Boilers Building 30103 & 30104

Federally Enforceable Provisos

Regulations

Applicability

1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."
2. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".

Rule 335-3-16-.03

Rule 335-3-14-.04

Emission Standards

1. These boilers shall combust No. 2 fuel oil only. The fuel oil combusted by these boilers shall have a sulfur content of 0.5% by weight or less.

Compliance and Performance Test Methods and Procedures

Federally Enforceable Provisos	Regulations
<ol style="list-style-type: none"> 1. To ensure compliance with the fuel oil sulfur content limit is maintained, the permittee shall either: <ol style="list-style-type: none"> (a) obtain a certification from the fuel supplier consisting of the name of the oil supplier and a statement from the supplier that the oil complies with the specifications under the definition of distillate oil, or (b) collect oil samples from the fuel tank for each boiler immediately after the fuel tank is filled and before any oil is combusted. The permittee shall analyze the oil sample to determine the sulfur content of the oil in accordance with procedures found in ASTM D 129-64. If a partially empty fuel tank is refilled, a new sample and analysis of the fuel in the tank will be required upon filling. Results of the fuel analysis taken after each new oil shipment is received shall be used as the daily value when calculating the 30-day rolling average of fuel oil sulfur content until the next shipment is received. If the fuel analysis shows that the sulfur content in the fuel tank is greater than 0.5 weight percent sulfur, the permittee shall ensure that the sulfur content of subsequent oil shipments is low enough to cause the 30-day rolling average sulfur content to be 0.5 weight percent sulfur or less. 	<p>Rule 335-3-1-.05</p>
Emission Monitoring	
<ol style="list-style-type: none"> 1. Periodic inspection of the boilers shall be performed once every year to include inspections of tubes, burners, and control valves to ensure the boilers operate as designed. 	<p>Rule 335-3-16-.05(c)(1)</p>
<ol style="list-style-type: none"> 2. Daily visual observations of the stack shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR Part 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation by personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall be performed in order to verify that visible emissions have been reduced. <p>A visible emissions observation is not required on days the unit is not in operation.</p>	<p>Rule 335-3-16-.05(c)(1)</p>

Federally Enforceable Provisos	Regulations
Recordkeeping and Reporting Requirements	
<ol style="list-style-type: none"> 1. Records of the required daily visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time , and results of the Method 9 observation performed by personnel certified in accordance with Method 9 or 40 CFR Part 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the followup visual inspection. 	Rule 335-3-16-.05(c)(2)
<ol style="list-style-type: none"> 2. Records of boiler inspections and maintenance performed shall be maintained for a period of no less than 5 years following the date of generation. 	Rule 335-3-16-.05(c)(2)
<ol style="list-style-type: none"> 3. The fuel oil supplier certifications and/or the result of the fuel oil sulfur content testing shall be maintained for a period of no less than 5 years following the date of generation. 	Rule 335-3-16-.05(c)(2)

Summary Page for Firing Range Operations

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
N/A	Firing Range Operation	PM	N/A	N/A
N/A	Firing Range Operation	NOx	N/A	N/A
N/A	Firing Range Operation	CO	N/A	N/A
N/A	Firing Range Operation	VOC	N/A	N/A
N/A	Firing Range Operation	SO ₂	N/A	N/A

Provisos for Firing Range Operations

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
Emission Standards	
1. These operations are not subject to any standards other than the applicable standards contained in the general provisos.	N/A
Compliance and Performance Test Methods and Procedures	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Emission Monitoring	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A

**Appendix A
Natural Gas Boilers**

Building Number	Boiler	Manufacturer	Rated Capacity BTU/hr
113	B-113-1	ALDRICH	380,000
113	B-113-2	LOCHINAR	745,000
113	B-113-3	RAYPAK	2,499,000
115	B-115	PEERLESS	1,470,000
124	B-124-1	A O SMITH	75,000
124	B-124-2	J & O	500,000
146	B-146-1	RBI	750,000
146	B-146-2	BRYAN	2,100,000
212	B-212	THERMOPAK	559,000
303	B-303	AMERICAN WATER	505,000
304	B-304	AMERICAN WATER	505,000
305	B-305	LOCHINAR	500,000
309	B-309	AMERICAN WATER	505,000
312	B-312	LOCHINAR	500,000
313	B-313	LOCHINAR	500,000
315	B-315	AMERICAN WATER	505,000
412	B-412	FULTON	630,000
425	B-425	HURST	2,100,000
418	B-418	FULTON	4,200,000
750	B-750	RAYPAK	1,800,000
800	B-800	CROWN	577,000
1001	B-1001	BRYAN	1,500,000

1015	B-1015	TELEDYNE LAARS	141,750
1100	B-1100-1	RAYPAK	1,570,000
1100	B-1100-2	RAYPAK	1,570,000
1108	B-1108	THERMOPAK	900,000
1306	B-1306	THERMOPAK	900,000
1313	B-1313	SMITH	400,000
1404	B-1404	SMITH	375,000
1406	B-1406	BRYAN	2,100,000
1436	B-1436	SMITH	525,000
2801	B-2801	RAYPAK	1,124,700
2805	B-2805	THERMOPAK	1,200,000
2806	B-2806-1	RITE	750,000
2806	B-2806-2	RUUD/RHEEM	120,000
2906	B-2906	HYDROTHERM	250,000
2908	B-2908	SMITH	1,125,000
4405	B-4405-1	SMITH	310,000
4405	B-4405-2	SMITH	225,000
4504	B-4504	LOCHINAR	500,000
4510	B-4510	LOCHINAR	500,000
4511	B-4511	LOCHINAR	500,000
4605	B-4605-1	BRYAN	6,500,000
4605	B-4605-2	KEWANEE	1,750,000
4605	B-4605-3	LOCHINAR	380,000
4909	B-4909	A O SMITH	300,000
4910	B-4910	PARKER	1,460,000
4911	B-4911	A O SMITH	300,000
4912	B-4912	A O SMITH	300,000

4913	B-4913	A O SMITH	300,000
5000	B-5000	BURNHAM	1,155,000
5001	B-5001	LOCHINAR	495,000
5100	B-5100	TELEDYNE LARS	100,000
5203	B-5203	CLIFF	500,000
5205	B-5205	DUNKIRK	262,000
5430	B-5430	RAYPAK	186,000
5440	B-5440	RAYPAK	1,825,600
5700	B-5700	DONLEE	6,100,000
5700	B-5700	AJAX	800,000
5801	B-5801-1	FULTON	1,260,000
5801	B-5801-2	A O SMITH	600,000
5909	B-5909-1	A O SMITH	660,000
5909	B-5909-2	FULTON	1,260,000
5910	B-5910-1	RAYPAK	900,000
5910	B-5910-2	RAYPAK	400,000
5911	B-5911-1	RAYPAK	900,000
5911	B-5911-2	RAYPAK	900,000
5914	B-5914-1	HURST	1,729,000
5914	B-5914-2	PRECISION	840,000
6000	B-6000	AJAX	1,375,000
6005	B-6005-1	RAYPAK	1,800,000
6005	B-6005-2	RAYPAK	1,800,000
6022	B-6022-1	A O SMITH	420,000
6101	B-6101-1	RAYPAK	511,500
6101	B-6101-2	RAYPAK	500,000
6102	B-6102-1	RAYPAK	500,000
6102	B-6102-2	RHEEM	75,000

6103	B-6103-1	RAYPAK	500,000
6103	B-6103-2	RAYPAK	500,000
6104	B-6104-1	RAYPAK	500,000
6104	B-6104-2	RAYPAK	500,000
6105	B-6105-1	RAYPAK	500,000
6105	B-6105-2	RAYPAK	500,000
6106	B-6106-1	RAYPAK	500,000
6106	B-6106-2	RAYPAK	500,000
6202	B-6202-2	RAYPAK	500,000
6202	B-6202-1	RAYPAK	500,000
6204	B-6204-1	RBI	840,000
6204	B-6204-2	RBI	735,000
6814	B-6814-1	BURNHAM	744,000
6814	B-6814-2	LOCHINAR	380,000
6830	B-6830	JANDY	399,000
6902	B-6902	RBI	250,000
7206	B-7206	RITE	550,000
8350	B-8350-1	TELEDYNE LAARS	1,200,000
8350	B-8350-2	TELEDYNE LAARS	1,200,000
8350	B-8350-3	TELEDYNE LAARS	1,430,000
8360	B-8360-1	TELEDYNE LAARS	1,200,000
8360	B-8360-2	TELEDYNE LAARS	1,200,000
8360	B-8360-3	TELEDYNE LAARS	1,200,000

8450	B-8450	TELEDYNE LAARS	325,000
8452	B-8452	TELEDYNE LAARS	325,000
8453	B-8453-1	TELEDYNE LAARS	400,000
8453	B-8453-2	TELEDYNE LAARS	325,000
8938	B-8938-1	WEIL MCCLAIN	1,010,000
8938	B-8938-2	RUUD/RHEEM	300,000
8938	B-8938-3	RUUD/RHEEM	300,000
8939	B-8939-1	WEIL MCCLAIN	707,000
8939	B-8939-2	RUUD/RHEEM	180,000
8940	B-8940	WEIL MCCLAIN	707,000
9204	B-9204	KEWANEE	1,688,000
9212	B-9212	RBI	840,000
9213	B-9213-1	RUUD/RHEEM	250,000
9213	B-9213-2	RUUD/RHEEM	250,000
9213	B-9213-3	BRYAN	1,500,000
9214	B-9214	RITE	1,050,000
9222	B-9222-1	RUUD/RHEEM	600,000
9222	B-9222-2	RUUD/RHEEM	600,000
9227	B-9227	RAYPAK	80,000
20067	B-20067-1	RAYPAK	481,000
20067	B-20067-2	A O SMITH	270,000
20067	B-20067-3	A O SMITH	270,000
21037	B-21037-1	BURNHAM	659,000
21037	B-21037-2	A O SMITH	339,000
21037	B-21037-3	BURNHAM	1,883,000

21038	B-20138-1	BURNHAM	1,329,000
21038	B-21038-2	RAYTHERM	586,800
21038	B-21038-3	BURNHAM	2,186,000
22210	B-22210	A O SMITH	399,000
25164	B-25164	SMITH	560,000
25165	B-25165	VENTURA	270,000
60103	B-60103	WEIL MCLAIN	937,000
308	B-308-1	WEIL MCLAIN	2,713,000
308	B-308-2	WEIL MCLAIN	399,000
411	B-411	AJAX	630,000
4301	B-4301-1	RAYPAK	511,500
4301	B-4301-2	WEIL MCLAIN	780,000
4901	B-4901-1	WEIL MCLAIN	2,877,000
4901	B-4901-2	WEIL MCLAIN	2,877,000
4905	B-4905	WEIL MCLAIN	1,690,000
5101	B-5101	WEIL MCLAIN	186,000
5102	B-5102-1	WEIL MCLAIN	4,113,000
5102	B-5102-2	WEIL MCLAIN	4,113,000
6022	B-6022-2	A O SMITH	420,000

**Appendix B
Fuel Oil Boilers**

Building Number	Boiler	Manufacturer	Rated Capacity BTU/hr
6901	B-6901	HURST	4,000,000
30106	B-30106	BURNHAM	4,185,000
30205	B-30205	WEIL MCLAIN	935,000
30501	B-30501-1	WEIL MCLAIN	97,000
30501	B-30501-2	WEIL MCLAIN	97,000
30601	B-30601	DONLEE TECH	837,000
30801	B-30801	SMITH	225,000
30810	B-30810	RAYPAK	726,000
40112	B-40112	COLUMBIA	420,000
40113	B-40113	CLEAVER BROOKS	3,000,000
40117	B-40117	SMITH	2,172,000
40120	B-40120	CLEAVER BROOKS	3,000,000
40135	B-40135	BURNHAM	6,276,000
301	B-301-1	CLEAVER BROOKS	2,092,188
301	B-301-2	CLEAVER BROOKS	2,092,188
301	B-301-3	CLEAVER BROOKS	4,184,375
301	B-301-4	CLEAVER BROOKS	4,184,375
4701	B-4701-3		9,900,000
4701	B-4701-4		9,900,000
30101	B-30101	WEIL MCLAIN	3,392,000
50208	B-50208	WEIL MCLAIN	3,753,000
50202	B-50202	SMITH	3,172,000
30103	B-30103	CLEAVER BROOKS	3,000,000

30104	B-30104	CLEAVER BROOKS	3,000,000
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